Improvements to roads and drains at
MCECHS layout in ward no. 05,
Byataranapura Sub Division

First and Final Bill

Quality Control Reports

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2022-02-26-20** **Date: 18-12-21**
Project Name	:	Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.
Agency	:	M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064
Customer's Reference	:	BBMP/EE/BTP/WO/29/2021-22
Date of Receipt	:	15-12-21
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	16-12-21
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	2.28	–
2	Finess by Air permeablity method (m^2/kg,Min)	274.6	225m^2/kg, Min
3	Density (gm/cc)	3.12	–
4	Standard Consistency (%)	29%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	240 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬಂಗಳೂರು-24

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2022-02-26-20 **Date: 13-01-22**
Project Name	:	Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.
Agency	:	M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064
Customer's Reference	:	BBMP/EE/BTP/WO/29/2021-22
Date of Receipt	:	15-12-21
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	16-12-21
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	29.0N/mm^2	Not less than 27 N/mm^2
2	7 Days	38.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	55.0N/mm^2	Not less than 53 N/mm^2

*The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	CP-2022-02-26-20 **Date: 18-12-21**
Project Name	:	Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.
Agency	:	M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064
Customer's Reference	:	BBMP/EE/BTP/WO/29/2021-22
Date of Receipt	:	15-12-21
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	15-12-21

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	342	342	2.3	97.7	90-100
3	20 mm	5439	5781	38.5	61.5	30-70
4	10 mm	4579	10360	69.1	30.9	10-35
5	4.75 mm	4260	14620	97.5	2.5	0-5
6	Pan	380	15000	100.0	0	---

CIVIL Pro Sig..... Date..... BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
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ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-24

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2022-02-26-20 Date: 18-12-21

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	12.4	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.6	
3	Specific Gravity	2.67	–
4	Bulk Density(Loose) (Kg/l)	1.54	–
5	Bulk Density(Compacted) (Kg/l)	1.58	–
6	Water Absorption(%)	0.21	–

*The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig ..... Date ..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ನಿರ್ದೇಶಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾ ನಗರ ಪಾಲಿಕೆ
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Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	CP-2022-02-26-20 **Date: 17-12-21**
Project Name	:	Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.
Agency	:	M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road. Yelahanka Bengalore-560064
Customer Reference	:	BBMP/EE/BTP/WO/29/2021-22
Date of Receipt	:	15-12-21
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of Test	:	15-12-21

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : **5000 grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	214	214	4.3	95.7	90-100
3	10 mm	2435	2649	53.0	47.0	25-55
4	4.75 mm	2134	4783	95.7	4.3	0-10
5	Pan	217	5000	100	0	–

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Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

: CP-2022-02-26-20 Date: 17-12-21

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
i	Flakiness Index(%)	13.2	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
ii	Elongation Index(%)	12.4	
iii	Specific Gravity	2.69	–
iv	Bulk Density(Loose) (Kg/l)	1.48	–
v	Bulk Density(Compacted) (Kg/l)	1.53	–
vi	Water Absorption(%)	0.22	–
vii	Aggregate crushing Value(%)	22.9	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
viii	Aggregate Impact Value(%)	22.1	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

*The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signature
Quality Manager

End of Report

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್
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Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

: CP-2022-02-26-20 **Date: 17-12-21**

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 15-12-21

: Fine Aggregate

: IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

: 15-12-21

: 1000 grams

Sl No	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
	10 mm	0	0	0.0	100.0	100	100	100	100
	4.75 mm	82	82	8.2	91.8	90-100	90-100	90-100	95-100
	2.36 mm	133	215	21.5	78.5	60-95	75-100	85-100	95-100
	1.18 mm	179	394	39.4	60.6	30-70	55-90	75-100	90-100
	600 micron	186	580	58.0	42.0	15-34	35-59	60-79	80-100
	300 micron	173	753	75.3	24.7	5-20	8-30	12-40	15-50
	150 micron	156	909	90.9	9.1	0-10	0-10	0-10	0-15
	Pan	91	1000	100.0	0.0	---	---	---	---

Result: The tested Sample Conforms to Grading Zone II

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9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

TEST REPORT OF FINE AGGREGATE

: CP-2022-02-26-20

Date: 17-12-21

PHYSICAL PROPERTIES

Sl. No	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	0.21	–
2	Specific Gravity	1.58	–
3	Material finer than 75 micron(%)	7.7	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

*The results obtained are satisfactory as per standard requirements.

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FOR CIVIL Pro.

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

: CP-2022-02-26-20

Date: 20-12-21

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 15-12-21

: Precast Cover Slab 100mm Thick

: IS: 516 - 1959 Methods of Tests for Strength of Concrete

: 16/12/2021

Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
	(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
	75.01	100.49	1.285	4418	81.3	18.4	17.1	21.4
	75.02	100.51	1.299	4419	84.9	19.2	17.9	22.3
	75.02	100.49	1.385	4419	83.4	18.9	17.6	21.9

Found to be satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
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Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

: CP-2022-02-26-20 **Date: 20-12-21**

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 15-12-21

: Precast Cover Slab 250mm Thick

: IS: 516 - 1959 Methods of Tests for Strength of Concrete

: 16/12/2021

	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
	(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
	28/04	250.51	3.855	31423	575.3	18.3	17.0	21.3
	28/05	250.48	3.495	31419	592.4	18.9	17.5	21.9
	28/50	250.52	3.580	31567	572.3	18.1	16.9	21.1

as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಸಹಾಯಕ ಆಯುಕ್ತರು ಬಿಬಿಎಂಪಿ ಅಧಿಕಾರಿಯವರು
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE KERB STONE

: CP-2022-02-26-20 **Date: 20-12-21**

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 15-12-21

: CC Kerb Stone/ 450*165*400mm

: IS: 516 - 1959 Methods of Tests for Strength of Concrete

: 16/12/2021

Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
(mm)	(mm)	Kg	(Sq.mm)	(KN)	(N/mm2)	(N/mm2)	(N/mm2)
100.04	165.52	2.678	7859	148.9	18.9	18.9	23.7
100.03	165.49	2.667	7857	151.2	19.2	19.2	24.1
100.02	165.49	2.682	7856	148.7	18.9	18.9	23.7

as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-02-26-20

Date: 27/12/2021

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 21-12-21

: PCC

: 150X150X150 mm

: M15 / 7 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 25/12/2021

Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
			(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
M15	18/12/2021	25/12/2021	149.97 X 149.93 X 151.69	22485	8.810	275.3	12.2	12.2
M15	18/12/2021	25/12/2021	149.57 X 150.22 X 151.18	22469	8.232	262.6	11.7	
M15	18/12/2021	25/12/2021	150.03 X 151.79 X 150.82	22773	8.231	285.5	12.5	

satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-02-26-20 **Date: 17/01/2022**

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 21-12-21

: PCC

: 150X150X150 mm

: M15 / 28 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 15/01/2022

	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
	M15	18/12/2021	15/01/2022	150.01 X 149.08 X 149.24	22364	8.743	422.4	18.9	18.8
	M15	18/12/2021	15/01/2022	150.15 X 151.00 X 149.49	22673	8.539	424.0	18.7	
	M15	18/12/2021	15/01/2022	151.91 X 151.08 X 151.38	22951	8.998	430.2	18.7	

are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

CP-2022-02-26-20

Date: 27/12/2021

Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

BBMP/EE/BTP/WO/29/2021-22

23-12-21

PCC

150X150X150 mm

M15 / 7 Days Compressive Strength

IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

25/12/2021

Grade of Concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
			(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
M15	18/12/2021	25/12/2021	150.11 X 150.54 X 149.40	22598	8.541	274.7	12.2	12.0
M15	18/12/2021	25/12/2021	149.01 X 151.45 X 151.95	22568	8.783	264.5	11.7	
M15	18/12/2021	25/12/2021	150.48 X 151.24 X 150.03	22759	8.963	274.7	12.1	

Results are as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

CP/2022-02-26-20 **Date: 17/01/2022**

Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

BBMP/EE/BTP/WO/29/2021-22

23-02-21

RCC

150X150X150 mm

M15 / 28 Days Compressive Strength

IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

15/01/2022

Sample Code	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
	M15	18/12/2021	15/01/2022	149.57 X 151.91 X 149.66	22720	9.098	419.0	18.4	18.2
	M15	18/12/2021	15/01/2022	152.00 X 151.00 X 151.23	22952	8.982	416.6	18.2	
	M15	18/12/2021	15/01/2022	149.47 X 149.43 X 149.14	22336	8.433	404.8	18.1	

All the specimens are as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-02-26-20 **Date: 27/12/2021**

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 21-12-21

: PCC

: 150X150X150 mm

: M15 / 7 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 25/12/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
PCC	M15	18/12/2021	25/12/2021	151.60 X 151.47 X 149.58	22964	8.131	297.5	13.0	12.1
PCC	M15	18/12/2021	25/12/2021	151.74 X 150.97 X 150.37	22909	8.470	259.6	11.3	
PCC	M15	18/12/2021	25/12/2021	151.29 X 149.62 X 151.63	22636	8.245	272.3	12.0	

The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-02-26-20 **Date: 17/01/2022**

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 21-12-21

: PCC

: 150X150X150 mm

: M15 / 28 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 15/01/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
PCC	M15	18/12/2021	15/01/2022	150.57 X 150.38 X 151.19	22643	8.117	409.9	18.1	18.5
PCC	M15	18/12/2021	15/01/2022	151.82 X 149.20 X 149.86	22651	8.853	427.8	18.9	
PCC	M15	18/12/2021	15/01/2022	150.69 X 149.93 X 149.62	22594	8.975	421.5	18.7	

The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-02-26-20

Date: 27/12/2021

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 22-12-21

: Drain Concrete Bottom Raft

: 150X150X150 mm

: M20 / 7 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 27/12/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Concrete Bottom Raft	M20	20/12/2021	27/12/2021	149.09 X 151.48 X 151.61	22585	8.983	412.0	18.2	18.5
Drain Concrete Bottom Raft	M20	20/12/2021	27/12/2021	150.56 X 149.67 X 149.11	22534	8.189	421.6	18.7	
Drain Concrete Bottom Raft	M20	20/12/2021	27/12/2021	151.56 X 149.39 X 150.32	22643	8.601	417.1	18.4	

Remarks: Results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಉಪಾಯುಕ್ತ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಧಿಕಾರಿಗಳವರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-28

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-02-26-20

Date: 17/01/2022

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 22-12-21

: Drain Concrete Bottom Raft

: 150X150X150 mm

: M20 / 28 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 17/01/2022

Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
M20	20/12/2021	17/01/2022	149.84 X 149.02 X 151.41	22329	8.833	524.1	23.5	22.8
M20	20/12/2021	17/01/2022	151.02 X 149.62 X 151.00	22595	8.297	511.2	22.6	
M20	20/12/2021	17/01/2022	150.37 X 150.98 X 149.38	22703	8.955	508.1	22.4	

satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-02-26-20

Date: 27/12/2021

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 22-12-21

: Drain Concrete Bottom Raft

: 150X150X150 mm

: M20 / 7 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 27/12/2021

	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
				(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
	M20	20/12/2021	27/12/2021	149.98 X 149.46 X 151.49	22415	8.105	420.3	18.8	18.4
	M20	20/12/2021	27/12/2021	150.05 X 149.42 X 151.00	22420	8.981	405.1	18.1	
	M20	20/12/2021	27/12/2021	149.41 X 149.49 X 150.77	22335	8.170	410.8	18.4	

satisfactory as per standard requirements.

CIVIL Pro Sig..... Date ..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯ ನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
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TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-02-26-20

Date: 19/01/2022

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 22-12-21

: Drain Concrete Bottom Raft

: 150X150X150 mm

: M20 / 28 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 17/01/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
	M20	20/12/2021	17/01/2022	150.32 X 151.52 X 150.06	22777	8.384	537.7	23.6	23.1
	M20	20/12/2021	17/01/2022	149.63 X 151.13 X 149.73	22613	8.831	515.8	22.8	
	M20	20/12/2021	17/01/2022	149.57 X 150.74 X 150.91	22546	8.500	512.5	22.7	

are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬಂಗಳೂರು-24

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-02-26-20

Date: 29/12/2021

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 24-12-21

: Drain Concrete Bottom Raft

: 150X150X150 mm

: M20 / 7 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 28/12/2021

Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
M20	21/12/2021	28/12/2021	150.37 X 150.40 X 149.84	22616	8.385	410.6	18.2	18.3
M20	21/12/2021	28/12/2021	151.00 X 151.19 X 149.59	22830	8.725	419.3	18.4	
M20	21/12/2021	28/12/2021	150.78 X 150.71 X 149.08	22724	8.866	420.0	18.5	

satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-02-26-20 **Date: 18/01/2022**

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 24-12-21

: Drain Concrete Bottom Raft

: 150X150X150 mm

: M20 / 28 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 18/01/2022

Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
M20	21/12/2021	18/01/2022	150.96 X 150.16 X 151.32	22669	8.772	529.8	23.4	22.8
M20	21/12/2021	18/01/2022	151.57 X 149.33 X 151.61	22634	8.375	518.1	22.9	
M20	21/12/2021	18/01/2022	151.89 X 150.65 X 151.97	22882	8.660	505.6	22.1	

satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-02-26-20

Date: 28/12/2021

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 24-12-21

: Drain Concrete Bottom Raft

: 150X150X150 mm

: M20 / 7 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 28/12/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Concrete Bottom Raft	M20	21/12/2021	28/12/2021	149.01 X 149.12 X 151.31	22221	8.664	417.5	18.8	18.5
Drain Concrete Bottom Raft	M20	21/12/2021	28/12/2021	150.76 X 151.04 X 150.60	22770	8.974	423.8	18.6	
Drain Concrete Bottom Raft	M20	21/12/2021	28/12/2021	150.35 X 149.16 X 151.64	22426	8.627	403.8	18.0	

Results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-02-26-20

Date: 18/01/2022

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 24-12-21

: Drain Concrete Bottom Raft

: 150X150X150 mm

: M20 / 28 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 18/01/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Concrete Bottom Raft	M20	21/12/2021	18/01/2022	151.85 X 149.93 X 149.56	22766	8.841	545.2	23.9	23.0
Drain Concrete Bottom Raft	M20	21/12/2021	18/01/2022	149.18 X 149.25 X 149.39	22264	8.644	514.9	23.1	
Drain Concrete Bottom Raft	M20	21/12/2021	18/01/2022	149.15 X 151.08 X 151.55	22534	9.057	496.0	22.0	

Results reported are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : **CP-2022-02-26-20**

Project Name : **Date: 29/12/2021**

Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division

Client : M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

Customer's Reference : BBMP/EE/BTP/WO/29/2021-22

Date of Receipt : 24-12-21

Customer ID : Drain Concrete Bottom Raft

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 29/12/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete Bottom Raft	M20	22/12/2021	29/12/2021	150.99 X 151.47 X 151.15	22870	8.160	434.1	19.0	18.6
2	Drain Concrete Bottom Raft	M20	22/12/2021	29/12/2021	151.49 X 149.11 X 149.04	22589	8.607	410.6	18.2	
3	Drain Concrete Bottom Raft	M20	22/12/2021	29/12/2021	150.65 X 151.98 X 151.01	22895	9.035	425.1	18.6	

The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-02-26-20

Date: 19/01/2022

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 24-12-21

: Drain Concrete Bottom Raft

: 150X150X150 mm

: M20 / 28 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 19/01/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Concrete Bottom Raft	M20	22/12/2021	19/01/2022	150.13 X 150.08 X 150.52	22531	8.142	526.9	23.4	23.2
Drain Concrete Bottom Raft	M20	22/12/2021	19/01/2022	150.93 X 150.23 X 149.66	22674	8.991	527.5	23.3	
Drain Concrete Bottom Raft	M20	22/12/2021	19/01/2022	150.58 X 149.24 X 149.99	22472	8.119	513.1	22.8	

Specimens obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಬಯಾರಾಯನಪುರ ಕಂದಾಯ ಜಿಲ್ಲೆ ಉಪವಿಭಾಗಾಧಿಕಾರಿಯವರ ಕಛೇರಿ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-02-26-20

Date: 29/12/2021

Project Name : Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division

Agency : M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

Customer's Reference : BBMP/EE/BTP/WO/29/2021-22

Date of Receipt : 24-12-21

Customer ID : Drain Concrete Bottom Raft

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 29/12/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete Bottom Raft	M20	22/12/2021	29/12/2021	151.78 X 150.92 X 149.97	22907	9.074	433.3	18.9	18.4
2	Drain Concrete Bottom Raft	M20	22/12/2021	29/12/2021	150.58 X 151.93 X 149.28	22878	9.087	415.1	18.1	
3	Drain Concrete Bottom Raft	M20	22/12/2021	29/12/2021	150.41 X 150.24 X 149.30	22598	9.043	411.4	18.2	

The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro,

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-02-26-20

Date: 19/01/2022

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

: BBMP/EE/BTP/WO/29/2021-22

: 24-12-21

: Drain Concrete Bottom Raft

: 150X150X150 mm

: M20 / 28 Days Compressive Strength

: IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 19/01/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Concrete Bottom Raft	M20	22/12/2021	19/01/2022	150.06 X 150.77 X 149.47	22625	8.469	530.3	23.4	23.0
Drain Concrete Bottom Raft	M20	22/12/2021	19/01/2022	149.01 X 149.21 X 150.21	22234	8.430	516.4	23.2	
Drain Concrete Bottom Raft	M20	22/12/2021	19/01/2022	150.65 X 151.41 X 150.77	22809	8.410	508.5	22.3	

Results obtained are satisfactory as per standard requirements.

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಪಡಾಯಿಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-02-26-20

Date: 03/01/2022

Project Name : Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

Agency : M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

Customer's Reference : BBMP/EE/BTP/WO/29/2021-22

Date of Receipt : 29-12-21

Customer ID : Drain Concrete Side Wall

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/01/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete Side Wall	M20	27/12/2021	03/01/2022	149.93 X 149.90 X 149.85	22475	8.678	426.5	19.0	18.6
2	Drain Concrete Side Wall	M20	27/12/2021	03/01/2022	150.33 X 151.05 X 149.01	22707	8.564	422.3	18.6	
3	Drain Concrete Side Wall	M20	27/12/2021	03/01/2022	150.46 X 149.63 X 149.72	22513	9.066	412.4	18.3	

Results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಸಹಾಯಕ ಕಮಿಷನರ್ ಆಫ್ ಪಂಚರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-02-26-20

Date: 24/01/2022

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

Reference : BBMP/EE/BTP/WO/29/2021-22

: 29-12-21

: Drain Concrete Side Wall

Size : 150X150X150 mm

: M20 / 28 Days Compressive Strength

codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 24/01/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Concrete Side Wall	M20	27/12/2021	24/01/2022	151.61 X 151.49 X 149.24	22967	8.796	543.9	23.7	22.9
Drain Concrete Side Wall	M20	27/12/2021	24/01/2022	150.45 X 150.39 X 151.62	22625	8.159	521.4	23.0	
Drain Concrete Side Wall	M20	27/12/2021	24/01/2022	149.03 X 149.74 X 151.14	22316	8.643	492.5	22.1	

are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-02-26-20** **Date: 03/01/2022**

Project Name : Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division

Agency : M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

Customer's Reference : BBMP/EE/BTP/WO/29/2021-22

Date of Receipt : 29-12-21

Customer ID : Drain Concrete Side Wall

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/01/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete Side Wall	M20	27/12/2021	03/01/2022	151.01 X 151.35 X 151.97	22855	8.514	411.8	18.0	18.2
2	Drain Concrete Side Wall	M20	27/12/2021	03/01/2022	150.44 X 149.33 X 150.16	22465	8.531	415.5	18.5	
3	Drain Concrete Side Wall	M20	27/12/2021	03/01/2022	149.51 X 150.20 X 150.57	22456	8.868	408.0	18.2	

The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

: CP-2022-02-26-20

Date: 24/01/2022

: Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

: M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

Reference : BBMP/EE/BTP/WO/29/2021-22

: 29-12-21

: Drain Concrete Side Wall

Size : 150X150X150 mm

Age : M20 / 28 Days Compressive Strength

BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

: 24/01/2022

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Drain Concrete Side Wall	M20	27/12/2021	24/01/2022	151.78 X 149.07 X 149.86	22626	8.864	536.1	23.7	23.1
Drain Concrete Side Wall	M20	27/12/2021	24/01/2022	151.01 X 150.69 X 149.64	22757	8.493	530.3	23.3	
Drain Concrete Side Wall	M20	27/12/2021	24/01/2022	150.18 X 149.38 X 150.67	22434	8.447	497.8	22.2	

Results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-02-26-20

Date: 03/01/2022

Project Name : Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

Agency : M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

Customer's Reference : BBMP/EE/BTP/WO/29/2021-22

Date of Receipt : 29-12-21

Customer ID : Drain Concrete Side Wall

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/01/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete Side Wall	M20	27/12/2021	03/01/2022	150.32 X 151.28 X 151.07	22739	8.411	427.4	18.8	18.8
2	Drain Concrete Side Wall	M20	27/12/2021	03/01/2022	149.37 X 149.28 X 151.61	22298	8.552	420.1	18.8	
3	Drain Concrete Side Wall	M20	27/12/2021	03/01/2022	151.64 X 149.11 X 151.54	22611	8.341	425.8	18.8	

Results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

B KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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ಮುಖ್ಯ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಧಿಕಾರಿಯವರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-02-26-20

Date: 24/01/2022

Project Name : Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

Agency : M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

Customer's Reference : BBMP/EE/BTP/WO/29/2021-22

Date of Receipt : 29-12-21

Customer ID : Drain Concrete Side Wall

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 24/01/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete Side Wall	M20	27/12/2021	24/01/2022	150.65 X 149.60 X 149.19	22537	8.991	519.1	23.0	22.9
2	Drain Concrete Side Wall	M20	27/12/2021	24/01/2022	150.43 X 150.19 X 150.51	22592	8.500	519.7	23.0	
3	Drain Concrete Side Wall	M20	27/12/2021	24/01/2022	151.10 X 149.28 X 150.94	22556	8.885	508.8	22.6	

The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-02-26-20

Date: 05/01/2022

Project Name : Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

Agency : M/S Sathya A Construc:ons Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

Customer's Reference : BBMP/EE/BTP/WO/29/2021-22

Date of Receipt : 31-12-21

Customer ID : Drain Concrete Side Wall

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 05/01/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete Side Wall	M20	29/12/2021	05/01/2022	149.46 X 150.92 X 149.49	22556	8.381	419.5	18.6	18.6
2	Drain Concrete Side Wall	M20	29/12/2021	05/01/2022	151.26 X 149.49 X 150.66	22611	8.305	428.2	18.9	
3	Drain Concrete Side Wall	M20	29/12/2021	05/01/2022	149.95 X 150.43 X 149.45	22557	8.997	414.0	18.4	

The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-02-26-20**

Date: 27/01/2022

Project Name : Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

Agency : M/S Sathya A Constructions Prop. Sri R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

Customer's Reference : BBMP/EE/BTP/WO/29/2021-22

Date of Receipt : 31-12-21

Customer ID : Drain Concrete Side Wall

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/01/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete Side Wall	M20	29/12/2021	26/01/2022	151.55 X 149.66 X 151.87	22681	8.375	531.4	23.4	23.1
2	Drain Concrete Side Wall	M20	29/12/2021	26/01/2022	151.20 X 151.70 X 150.84	22937	8.354	529.7	23.1	
3	Drain Concrete Side Wall	M20	29/12/2021	26/01/2022	150.01 X 151.49 X 151.73	22725	8.708	518.1	22.8	

The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-02-26-20

Date: 05/01/2022

Project Name : Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

Agency : M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

Customer's Reference : BBMP/EE/BTP/WO/29/2021-22

Date of Receipt : 31-12-21

Customer ID : Drain Concrete Side Wall

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 05/01/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete Side Wall	M20	29/12/2021	05/01/2022	150.07 X 150.13 X 151.36	22530	8.753	410.9	18.2	18.4
2	Drain Concrete Side Wall	M20	29/12/2021	05/01/2022	151.65 X 150.27 X 151.11	22789	9.075	425.4	18.7	
3	Drain Concrete Side Wall	M20	29/12/2021	05/01/2022	149.57 X 150.05 X 150.46	22443	8.780	412.5	18.4	

The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

ರಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಧಿಕಾರಿಯವರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-೯೨

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-02-26-20

Date: 27/01/2022

Project Name : Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

Agency : M/S Sathya A Constructions Prop. Sri.R.Satheesh, No:600, Down Bazar Road, Yelahanka Bengalore-560064

Customer's Reference : BBMP/EE/BTP/WO/29/2021-22

Date of Receipt : 31-12-21

Customer ID : Drain Concrete Side Wall

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/01/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete Side Wall	M20	29/12/2021	26/01/2022	149.24 X 149.13 X 151.77	22256	8.522	520.0	23.4	22.7
2	Drain Concrete Side Wall	M20	29/12/2021	26/01/2022	149.76 X 149.99 X 150.52	22463	8.910	507.3	22.6	
3	Drain Concrete Side Wall	M20	29/12/2021	26/01/2022	151.60 X 150.74 X 149.30	22852	9.006	507.0	22.2	

Results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-02-26-20

Date: 05/01/2022

Project Name : Improvements roads and drains at MCECHS Layout in Ward No.05 Byatarayanapura Sub Division.

Agency : M/S Sathya A Constructions Prop. Sri.R.Satheesh, No.600, Down Bazar Road, Yelahanka Bengalore-560064

Customer's Reference : BBMP/EE/BTP/WO/29/2021-22

Date of Receipt : 31-12-21

Customer ID : Drain Concrete Side Wall

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 05/01/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete Side Wall	M20	29/12/2021	05/01/2022	150.12 X 150.88 X 149.18	22651	8.201	419.7	18.5	18.5
2	Drain Concrete Side Wall	M20	29/12/2021	05/01/2022	149.30 X 151.57 X 149.64	22629	8.950	427.5	18.9	
3	Drain Concrete Side Wall	M20	29/12/2021	05/01/2022	150.48 X 150.34 X 149.16	22623	8.729	410.7	18.2	

The results obtained are satisfactory as per standard requirements

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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